



US009636432B2

(12) **United States Patent**
Keung

(10) **Patent No.:** **US 9,636,432 B2**
(45) **Date of Patent:** **May 2, 2017**

(54) **AIR PURIFICATION UNIT**

(56) **References Cited**

(71) Applicant: **Nano and Advanced Materials
Institute Limited**, Hong Kong (HK)

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(72) Inventor: **Lok Hang Keung**, Hong Kong (HK)

(73) Assignee: **NANO AND ADVANCED
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LIMITED**, Hong Kong (HK)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 128 days.

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(21) Appl. No.: **14/166,866**

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(22) Filed: **Jan. 29, 2014**

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(65) **Prior Publication Data**

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Related U.S. Application Data

(Continued)

(60) Provisional application No. 61/853,040, filed on Mar. 27, 2013.

Primary Examiner — Kevin Joyner

Assistant Examiner — Holly Mull

(51) **Int. Cl.**
A61L 9/20 (2006.01)
B01D 53/86 (2006.01)
B01D 53/88 (2006.01)

(74) *Attorney, Agent, or Firm* — Spruson & Ferguson
(Hong Kong) Limited

(52) **U.S. Cl.**
CPC **A61L 9/205** (2013.01); **B01D 53/8687**
(2013.01); **B01D 53/885** (2013.01); **B01D**
2255/20707 (2013.01); **B01D 2255/802**
(2013.01); **B01D 2257/708** (2013.01); **B01D**
2258/06 (2013.01); **B01D 2259/804** (2013.01)

(57) **ABSTRACT**

The presently claimed invention provides a photocatalytic air purification unit, comprising a fin structure and an UV lamp. The fin structure comprises a plurality of fins coated with a layer of photocatalyst, and said fin structure is able to increase the surface area for photocatalyst coating, ultimately increasing air pollutant removal efficiency with minimum air resistance. The air purification unit of the present invention is preferably installed in a HVAC system.

(58) **Field of Classification Search**
CPC B01D 53/8687; A61L 9/205
USPC 422/121
See application file for complete search history.

4 Claims, 15 Drawing Sheets

